



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Chen et al.

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Examiner: SWARTHOUT, BRENT

Title: VERTICAL SITUATION DISPLAY TERRAIN/WAYPOINT SWATH, RANGE  
TO TARGET SPEED, AND BLENDED AIRPLANE REFERENCE

3/B  
MKA  
5-7-03  
(N.E.)

RESPONSE TO OFFICE ACTION

TO THE COMMISSIONER OF PATENTS:

AMENDMENT AND RESPONSE

In the Claims:

Please elect Group I (claims 1-9 and 18).

RECEIVED  
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GROUP 3600

1. (Previously Amended) A flight information display for a flight deck of an aircraft, the display showing a side view of a flight path or area directly in front of the aircraft having a selected distance of at least 0.5 nautical miles, the aircraft having means for determining the aircraft's location, the location determining means having a minimum accuracy, the display comprising:

a pictorial representation to scale of a profile of highest elevations of a swath of terrain along the path or area, a width of the swath being at least 0.1 nautical miles and no greater than a distance of the minimum accuracy of the location determining means;

an icon representing the aircraft, the icon being positioned on a left or right side of the display, the altitude of which is to scale with the height of the terrain; and an altitude reference scale.

2. (New) The display of Claim 1, further comprising a top-down display of a range of terrain in front of the airplane to a compass rose, wherein the selected distance shown in the side view is at least half the range of terrain shown on the top-down display.

3. (New) The display of Claim 2, wherein the selected distance shown in the side view is no greater than two times the range of terrain shown on the top-down display.



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